



Aalto University  
School of Science

# T-110.5121 Mobile Cloud Computing (5 cr)

Practical issues and course arrangements

11<sup>th</sup> September 2013

M.Sc. Olli Mäkinen, course assistant

# Agenda

- Targets
- Course basics
- Lecture schedule and other important dates

# Targets

- “You have a clear view of the advantages of distributed computing technologies, such as cloud computing, in the mobile space. You understand the core properties as well as the strengths and limitations of mobile cloud computing. You have a vision how clouds will change the mobile ecosystem, reviewed both from technology and business angles.”
- (Mobile) Disruption
- Neutral, scientific and critical view, over the hype
- Technology, Business, Theoretical and Practical approach

# Course basics (1/2)

- Responsible teacher: Professor Jukka K. Nurminen
- Course assistants:
  - Practical issues: Olli Mäkinen, [olli.makinen@aalto.fi](mailto:olli.makinen@aalto.fi)
  - Assignment 2: Rasmus Eskola, [rasmus.eskola@aalto.fi](mailto:rasmus.eskola@aalto.fi)
- 5 credits, periods I-II
  - Lectures 24 h, Lecture preparation 24 h, Assignments 48 h, Exam preparation 36 h, Exam 3 h
  - Lectures are not obligatory but highly recommended
- Two assignments in pairs (possible alone with good reasons)

# Course basics (2/2)

- Course news will be published in Noppa
- Grading: Exam 50% + Both assignments together 50%
  - Both assignments have the same weight, e.g. 25%
  - Exam and assignments evaluated 0-5
  - To pass the whole course, each component must be passed at least with grade 1
- Example:
  - Exam: 3
  - Assignment 1: 3
  - Assignment 2: 5
  - Total:  $50\% \times 3 + 25\% \times 3 + 25\% \times 5 = 3.5 = \text{grade } 4$  (rounded to closest integer)
- Giving course feedback is mandatory, the link to the feedback form will be published later in Noppa



# Lecture schedule and other important dates

- 11.9. at 16-18 in T2: Introduction
- 18.9. at 16-18 in T2: Basics and assignment 1 details
- 25.9. at 16-18 in T2: Green cloud computing
- 2.10. at 16-18 in T2: Scalable cloud computing
- 9.10. at 16-18 in T2: Business models
- 16.10. at 16-18 in T2: OpenStack, assignment 2 details
- 20.10. at 23:59: **Assignment 1 deadline**
- 27.10. at 23.59: **Assignment 1 peer review deadline**
- 30.10. at 16-18 in T2: Software-defined networking (SDN)
- 6.11. at 16-18 in T2: Cloudlets / mobile offloading
- 13.11. at 16-18 in T2: Mobile networks
- 20.11. at 16-18 in T2: Visiting lecturer from the industry (TBC)
- 27.11. at 16-18 in T2: Visiting lecturer from the industry (TBC)
- 4.12. at 16-18 in T2: Wrap-up and recap